

YAMAHA

PROGRAM TABLE

**DIGITAL
MULTI-EFFECT
PROCESSOR**

SPX90

NOTE	PARAMETER
	PRESET VALUE
	RANGE

MEM. No.	PROGRAM NAME	TYPE	PARAMETERS									BALANCE	
			1	2	3	4	5	6	7	8	9	BALANCE	OUT LVL
16	GATE REVERB	E/R2	TYPE	ROOM SIZE	LIVENESS	DELAY	LPF	—	—	—	—	100%	100%
			RANDOM	2.0	5	20.0ms	6.3kHz	—	—	—	—	(0 ~ 100%)	(0 ~ 100%)
			HALL/RANDOM REVERSE/PLATE	0.1 ~ 20.0	0 ~ 10	0.1 ~ 400.0ms	1.0kHz ~ 11kHz, THRU	—	—	—	—		
17	REVERSE GATE	E/R2	TYPE	ROOM SIZE	LIVENESS	DELAY	LPF	—	—	—	—	100%	100%
			REVERSE	3.3	5	29.0ms	THRU	—	—	—	—	(0 ~ 100%)	(0 ~ 100%)
			HALL/RANDOM REVERSE/PLATE	0.1 ~ 20.0	0 ~ 10	0.1 ~ 400.0ms	1.0kHz ~ 11kHz, THRU	—	—	—	—		
18	ADR-NOISE GATE	GATE	TRG. LEVEL	TRG. DLY	TRG. MSK	ATTACK	DECAY	DECAY LVL	HOLD	RELEASE	MIDI TRG.	100%	100%
			65	— 7ms	5ms	5ms	5ms	100%	90ms	5ms	OFF	(0 ~ 100%)	(0 ~ 100%)
			1 ~ 100	— 100 ~ 100ms	5 ~ 32000ms	5 ~ 32000ms	5 ~ 32000ms	0 ~ 100%	1 ~ 30000ms	5 ~ 32000ms	OFF/ON		
19	COMPRESSOR	GATE	TRG. LEVEL	TRG. DLY	TRG. MSK	ATTACK	HOLD	HOLD LEVEL	RELEASE	MIDI TRG.	—	100%	100%
			89	— 25ms	420ms	22ms	28ms	1%	525ms	OFF	—	(0 ~ 100%)	(0 ~ 100%)
			1 ~ 100	— 100 ~ 100ms	5 ~ 32000ms	5 ~ 32000ms	1 ~ 30000ms	0 ~ 100%	5 ~ 32000ms	OFF/ON	—		
20	REVERB & GATE	R & G	REV TIME	HIGH	DELAY	HPF	LPF	TRG. LEVEL	HOLD	RELEASE	MIDI TRG.	100%	100%
			2.0s	0.6	10.0ms	THRU	THRU	65	150ms	5ms	OFF	(0 ~ 100%)	(0 ~ 100%)
			0.3 ~ 99.0s	0.1 ~ 1.0	0.1 ~ 50.0ms	THRU, 32Hz ~ 1.0kHz	1.0kHz ~ 11kHz, THRU	1 ~ 100	1 ~ 30000ms	5 ~ 32000ms	OFF/ON		
21	PITCH CHANGE A	PITCH	PITCH	FINE	DELAY	F.B GAIN	BASE KEY	—	—	—	—	100%	100%
			0	0	0.1ms	0%	C3	—	—	—	—	(0 ~ 100%)	(0 ~ 100%)
			— 12 ~ 12	— 100 ~ 100	0.1 ~ 400.0ms	0 ~ 99%	OFF, C1 ~ C6	—	—	—	—		
22	PITCH CHANGE B	PITCH	1 PITCH	1 FINE	1 DLY	2 PITCH	2 FINE	2 DLY	—	—	—	100%	100%
			0	8	0.1ms	0	— 8	20.0ms	—	—	—	(0 ~ 100%)	(0 ~ 100%)
			— 12 ~ 12	— 100 ~ 100	0.1 ~ 400.0ms	— 12 ~ 12	— 100 ~ 100	0.1 ~ 400.0ms	—	—	—		
23	PITCH CHANGE C	PITCH	L PITCH	L FINE	L DLY	R PITCH	R FINE	R DLY	—	—	—	100%	100%
			0	8	0.1ms	0	— 8	0.1ms	—	—	—	(0 ~ 100%)	(0 ~ 100%)
			— 12 ~ 12	— 100 ~ 100	0.1 ~ 200.0ms	— 12 ~ 12	— 100 ~ 100	0.1 ~ 200.0ms	—	—	—		
24	PITCH CHANGE D	PITCH	PITCH	FINE	DELAY	F.B GAIN	BASE KEY	—	—	—	—	100%	100%
			0	0	0.1ms	0%	C3	—	—	—	—	(0 ~ 100%)	(0 ~ 100%)
			— 12 ~ 12	— 100 ~ 100	0.1 ~ 400.0ms	0 ~ 99%	OFF, C1 ~ C6	—	—	—	—		
25	FREEZE A	FREEZE	REC MODE	TRG. DLY	RECORD	OVER DUB	PLAY	START	END	INPUT TRG.	—	100%	100%
			AUTO	— 5ms	—	—	—	0	500	OFF	—	(0 ~ 100%)	(0 ~ 100%)
			MANUAL/AUTO	— 500 ~ 500ms	—	—	—	0 ~ 500	0 ~ 500	OFF/ON	—		
26	FREEZE B	FREEZE	REC MODE	TRG. DLY	RECORD	OVER DUB	PLAY	PITCH	FINE	BASE KEY	—	100%	100%
			MANUAL	— 50ms	—	—	—	0	—	C3	—	(0 ~ 100%)	(0 ~ 100%)
			MANUAL/AUTO	— 500 ~ 500	—	—	—	— 12 ~ 12	— 100 ~ 100	OFF, C1 ~ C6	—		
27	AUTO PAN	PAN	PAN SPEED	DIRECTION	DEPTH	—	—	—	—	—	—	100%	100%
			0.7Hz	L ~ R	75%	—	—	—	—	—	—	(0 ~ 100%)	(0 ~ 100%)
			0.1 ~ 20.0Hz	L ~ R/L ~ R, L ~ R	0 ~ 100%	—	—	—	—	—	—		
28	TRIGGERED PAN	PAN	TRG. LEVEL	TRG. DLY	TRG. MSK	ATTACK	PANNING	RELEASE	DIRECTION	L/R BALANCE	MIDI TRG.	100%	100%
			65	— 10ms	1000ms	22ms	525ms	840ms	L ~ R	30%	OFF	(0 ~ 100%)	(0 ~ 100%)
			1 ~ 100	— 100 ~ 100ms	5 ~ 32000ms	5 ~ 32000ms	5 ~ 32000ms	5 ~ 32000ms	L ~ R, L ~ R	0 ~ 100%	OFF/ON		
29	DELAY VIBRATO	VIB	TRG. LEVEL	VIB DLY	VIB RISE	VIB FRQ	VIB DEPTH	MIDI TRG.	—	—	—	100%	100%
			100	400ms	1400ms	7.0Hz	40%	ON	—	—	—	(0 ~ 100%)	(0 ~ 100%)
			1 ~ 100	1 ~ 30000ms	5 ~ 32000ms	0.1 ~ 20.0Hz	0 ~ 100%	OFF/ON	—	—	—		
30	PARAMETRIC EQ.	PEQ	HPF	MID FRQ	MID GAIN	MID Q	HI FRQ	HI GAIN	HI Q	LPF	DLY	100%	100%
			THRU	500Hz	0dB	1.0	2.0kHz	0dB	1.0	THRU	0.1ms	(0 ~ 100%)	(0 ~ 100%)
			THRU, 32Hz ~ 1.0kHz	315Hz ~ 4.0kHz	— 15 ~ 15dB	0.5 ~ 5.0	800Hz ~ 8.0kHz	— 15 ~ 15dB	0.5 ~ 5.0	1.0kHz ~ 11kHz, THRU	0.1 ~ 400.0ms		

USER PROGRAM TABLE

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SINCE 1887  **YAMAHA**
NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN